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MILL TEST CERTIFICATE

Certificate No: #20160119

Date: 2016/1/19

Purchasing Company		/		P.I./P.O.No.	/		Batch Number	HJ2016T1022-1		
Commodity			Material	Condition	Size & Specification	Quantity	Products Standard		Temperature	
Titanium Round Bar, Annealed Centerless Grinding			Gr23	M	Dia2.6mm x 2000-	280KGS	ASTM F136		20°C	
Titanium Round Bar, Annealed Centerless Grinding					Dia3.2mm x 2000-	350KGS	ASTM F136			
Chemical Composition (WT. %)										
TI Balance Ref. ASTM	Item Size	Fe	C	N	H	O	AL	V	Residuals	
		0.25Max	0.08 Max.	0.05 Max.	0.012 Max.	0.13 Max.	5.5-6.50	3.5-4.5	Each (≤0.1)	Total (≤0.4)
	Dia2.6mm x 2000-3000mm	0.11	0.020	0.018	<0.001	0.06	6	4.1	≤0.1	≤0.4
Dia3.2mm x 2000-3000mm										
Mechanical Strength										
Inspection Item	Tensile Strength		0.2 Yield Strength		Elongation		Reduction of area		/	/
	(Rm/Mpa)		Rp0.2/Mpa		A(%)		Z(%) min.		/	/
Requirement	860		795		10 Min		25		/	/
Dia2.6mm x 2000-3000mm	950		890		18		38			
Dia3.2mm x 2000-3000mm	935		880		16		35		/	/
Other Testing										
Testing Item	Dimensional Inspection		Surface Measurement		Micro Structure		Surface Contamination		Ultrasonic Test	
Result	ACCEPTABLE		ACCEPTABLE		ACCEPTABLE		ACCEPTABLE		/	

Hereby certify this product conforms to all specifically listed technical requirements, and other requirements for these specifications. Furthermore, we certify that the above stated quantitative results were derived from testing and analysis and are accordance with the reference specification requirements

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